

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1 -31. (Canceled)

1           32.     (Currently amended): A system for recovering data from a signal, said  
2 signal comprising a plurality of groups of pulses, the system comprising:  
3                 detection means for detecting one of said groups of pulses;  
4                 measurement means, coupled to said detection means, for measuring one or more  
5 parameters which characterize said one of said groups of pulses; and  
6                 symbol means, coupled to said measurement means, for mapping said one or  
7 more of said parameters to an information symbol;  
8                 said measurement means comprising:  
9                     first and second pipelines, each having an input and an output, each  
10                    configured to produce measurements for two or more groups of pulses, said second  
11                    pipeline further configured to provide a delay of one group;  
12                    a first delay unit coupled to said first pipeline output;  
13                    a second delay unit coupled to said second pipeline output; and  
14                    a decision component having an input, said first and second delay units  
15                    coupled to said input,  
16                    said first and second delay units configured to provide a delay during  
17                    processing of said two or more groups of pulses.

1           33.     (Original): The system of claim 32 wherein said one or more parameters  
2 includes parameters selected from the group consisting of: a group period (T1), a pulse width  
3 (T2), a pulse separation (T3), a silent period (T4), and number of pulses (Np).

1                   34.     (Original): The system of claim 32 wherein said one or more parameters  
2 is based on a timing relationship between said groups of pulses.

1                   35.     (Original): The system of claim 32 wherein said symbol means for  
2 mapping produces said information symbol based on at least two of said parameters.

36.     (Canceled)

1                   37.     (Currently amended): The system of claim ~~36~~32 wherein said first and  
2 second delay units each is configured to provide a variable delay, said variable delay depending  
3 on a group period of a group of pulses.

38 - 46 .     (Canceled)